

**Determining The Position Of A Constant Frequency Interval
In A Telecommunication Signal**

5

Abstract

*Sub
A2*

A method for determining the position of a constant frequency interval in a telecommunication signal comprises the steps of receiving said telecommunication signal, detecting an occurrence of said constant frequency interval, obtaining a plurality of noise-reduced signal values, adapting a filter to the frequency of said constant frequency interval, filtering said telecommunication signal for generating filtered output values, and determining a predefined reference point of said constant frequency interval on the basis of said filtered output values. An apparatus and a mobile telephone each comprise corresponding features. The invention provides a way of determining the position of a constant frequency interval in a telecommunication signal with high accuracy and reliability.